



# NITFS Compliance Registration



**Product:** Dissemination Element (DE) Version 4.0 Build 502 (ERS04)

**Sponsor:** NIMA

**Developer:** Lockheed Martin Management and Data Systems

**Date:** 25 September 2002

**Expiration:** 24 September 2004

**Registration #:** 124

- ☐ Initial Registration  
☒ Supplemental/Update #23  
☐ Derived from Reg. #

**System**  
N-0105/98, §4.1.1

## NITFS Features Implemented:

**Product**  
N-0105/98, §4.1.2

**Component**  
N-0105/98, §4.1.3

### Format

**NITF**

☐ v2.1

☒ v2.0

☐ v1.1

**NSIF**

☐ v1.0

### Image Segment Types

☒ MONO

☐ RGB

☐ RGB/LUT

☐ YCbCr

☐ MULTI

☐ NO DISPLAY

☐ POLAR

### Data Extension Segments

☐ TRE\_OVERFLOW

☐ STREAMING\_FILE\_HEADER

☐ Controlled Extensions \*\*

☐ Registered Extensions \*\*

### Tagged Record Extensions

☒ AE - PIAPRC

☒ National SDE - ALL

Complexity Level							
NITF 2.1 CLEVEL							
	3	5	6	7			
Interpret							
Generate							
NITF 2.0 CLEVEL							
	1	2	3	4	5	6	Oth
Interpret							
Generate							

### Pixel Value Types

☐ Boolean

☒ Integer

☐ Signed Integer \*

☐ IEEE Real \*

☐ IEEE Complex \*

### Image Compression

☒ Not Compressed

☐ JPEG Lossy, 8-bit

☐ JPEG Lossy, 12-bit

☐ JPEG Downsampling

☐ JPEG Lossless

☐ JPEG 2000

☐ Bi-Level

☐ Vector Quantization

☐ Multispectral JPEG, Individual Band

### Annotation Segment Types

☐ Bit Mapped \*\*

☐ CGM, 2301

☐ CGM, 2301A

☐ Labels \*\*

### Text Segments

☐ STA

☐ TT1

☐ U8S

☐ MTF

## Configurations Tested:

- DEC Client - DEC Alpha - OSF/2 [CLEVELs 4-6]  
Image Formats: Full, IMP, Chips, 11/16 Bit
- SGI Client - MIPS - IRIX 6.2 [CLEVELs 4-6]  
Image Formats: Full, IMP, Chips, 11/16 Bit
- Sun Client - Ultra 5 - Sun Solaris 2.6 [CLEVELs 1-6]  
Image Formats: Full, IMP, Chips, 8/8 and 11/16 Bits
- Sun Server - Ultra Sparc - Sun Solaris 2.6 [CLEVELs 4-6]  
Image Formats: Full, IMP, RRDS, 11/16 Bit

**NOTE:** Version supports unaltered "pass through" of JPEG compressed and uncompressed NITF products.

CHRISTOPHER K. LONG, Acting Division Chief  
Joint Interoperability Test Command  
Executive Agent to National Imagery & Mapping Agency  
for the NITFS Test and Evaluation Program

Registration does not guarantee that a product will meet all users' requirements.  
Potential users should evaluate the detailed test results to determine the suitability of  
the product for the intended use. Optional NITFS features may not be implemented.